

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
7 February 2002 (07.02.2002)

PCT

(10) International Publication Number  
WO 02/010993 A3

(51) International Patent Classification: G06F 17/60, 17/50

(21) International Application Number: PCT/CA01/00708

(22) International Filing Date: 18 May 2001 (18.05.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 09/627,208 27 July 2000 (27.07.2000) US

(71) Applicant: HUSKY INJECTION MOLDING SYSTEMS LTD. [CA/CA]; AMC/IPS Department, 500 Queen Street South, Bolton, Ontario L7E 5S5 (CA).

(72) Inventors: BAUMANN, Martin; 104 Cumberland Road, Burlington, VT 05401 (US). VOSS, Frank; 77 Sydney Drive, Essex Junction, VT 05452 (US). REYNOLDS, Craig; 9-32 Steeplebush Road, Essex, VT 05452 (US). WHITE, Michael; 1 Lake Forest Drive, Burlington, VT 05401 (US).

(74) Agent: GAMMIE, Alexander, P.; Husky Injection Molding Systems Ltd., Dept. IP Group/AMC, 500 Queen Street South, Bolton, Ontario L7E 5S5 (CA).

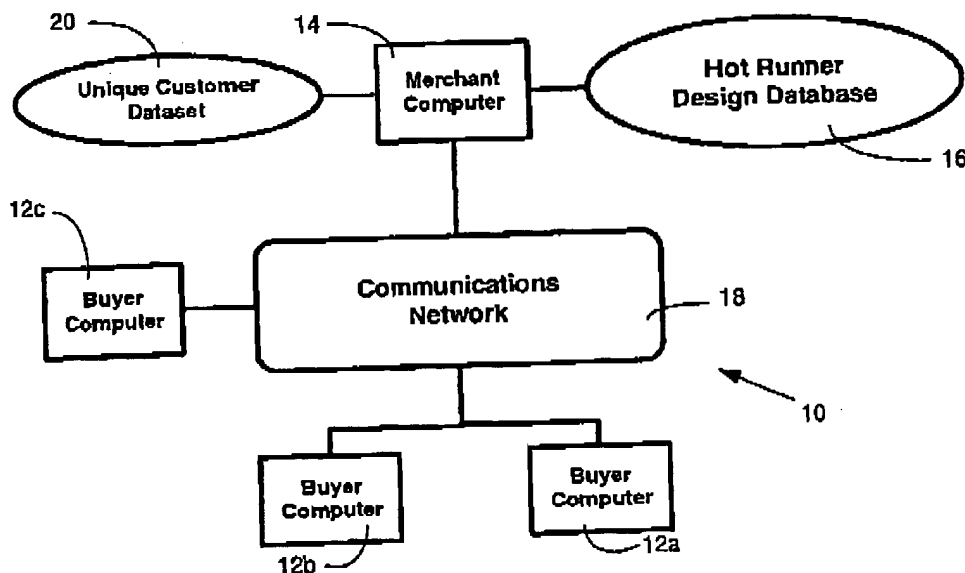
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR CONFIGURING, ORDERING AND MANAGING THE FABRICATION IN A FACTORY OF AN INJECTION MOLDING MACHINE APPARATUS USING A DISTRIBUTED COMPUTING SYSTEM



(57) Abstract: A complete system for the online design and purchasing of an injection molding machine apparatus is presented. At least one merchant computer is connected to at least one buyer computer over a communications network whereby a buyer can selectably design and place on order an injection molding machine apparatus. Improved means for storage and sharing of design information of the machine apparatus is presented which results in reduced fabrication cycle time and improved quality and on time

BEST AVAILABLE COPY

WO 02/010993 A3

**WO 02/010993 A3**

(88) Date of publication of the international search report:  
24 April 2003

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CA 01/00708

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/60 G06F17/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 52144 A (DICKSON LEROY ;AMUNDSEN THOMAS (US); GROOT JOHN (US); KNOWLES C HA) 19 November 1998 (1998-11-19) abstract; figures 1-9 page 3, line 4 -page 4, line 13 page 7, line 4 -page 11, line 2	1-9
X	EP 0 520 923 A (IBM) 30 December 1992 (1992-12-30) abstract; figures 1,2 column 2, line 23 -column 3, line 3	1-9
A	GB 2 343 972 A (DELL USA LP) 24 May 2000 (2000-05-24) abstract; figure 1 page 4, line 13 -page 5, line 14	1-9
-/-		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*a\* document member of the same patent family

Date of the actual completion of the international search

8 January 2003

Date of mailing of the international search report

15/01/2003

Name and mailing address of the ISA

European Patent Office, P.B. 4518 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 240-2040. Tx. 81 651 epo nl.

Authorized officer

## INTERNATIONAL SEARCH REPORT

PCT/CA 01/00708

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WD 99 13417 A (SCIENCE APPLIC INT CORP) 18 March 1999 (1999-03-18) abstract; figures 3,6 page 3, line 15 ~page 4, line 8	1-9

## Information on patent family members

PCT/CA 01/00708

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9852144	A	19-11-1998	US 6085978 A	11-07-2000
			AU 7570098 A	08-12-1998
			CN 1255217 T	31-05-2000
			EP 0983570 A1	08-03-2000
			GB 2341251 A ,B	08-03-2000
			JP 2001525962 T	11-12-2001
			US 6360947 B1	26-03-2002
			US 2002179716 A1	05-12-2002
			WO 9852144 A1	19-11-1998
			US 2001015380 A1	23-08-2001
			US 2002000469 A1	03-01-2002
			US 6354505 B1	12-03-2002
			US 6382515 B1	07-05-2002
			US 6457642 B1	01-10-2002
			US 6182897 B1	06-02-2001
			US 2002000466 A1	03-01-2002
			US 2002000467 A1	03-01-2002
			US 2002043561 A1	18-04-2002
			US 2002114076 A1	22-08-2002
			US 2002047048 A1	25-04-2002
			US 6158659 A	12-12-2000
			US 2002139853 A1	03-10-2002
			US 2002158131 A1	31-10-2002
EP 0520923	A	30-12-1992	US 5311424 A	10-05-1994
			EP 0520923 A2	30-12-1992
			JP 2574966 B2	22-01-1997
			JP 5189445 A	30-07-1993
GB 2343972	A	24-05-2000	US 6167383 A	26-12-2000
			AU 4883099 A	23-03-2000
			BR 9901752 A	04-04-2000
			CN 1255682 A	07-06-2000
			DE 19940209 A1	30-03-2000
			FR 2798753 A1	23-03-2001
			GB 2366053 A	27-02-2002
			IT T0990654 A1	22-03-2000
			JP 2000099577 A	07-04-2000
			KR 2000022676 A	25-04-2000
			SG 81993 A1	24-07-2001
			TW 455797 B	21-09-2001
WO 9913417	A	18-03-1999	US 6038668 A	14-03-2000
			EP 1027666 A1	16-08-2000
			WO 9913417 A1	18-03-1999
			US 6292894 B1	18-09-2001
			US 2002091923 A1	11-07-2002